

ABSTRACT OF THE DISCLOSURE

An image filling method for reducing filling process in producing animation. The image filling method includes the steps of separating a reference line drawing and a line drawing into first and second closed regions; extracting at least one feature amount of the first and second closed regions; calculating variations of feature amounts between every combination of the first and second closed regions, sorting the first closed regions in ascending order by the variation of the feature amount for each of the second closed regions; generating color candidate lists for each of the second closed regions, wherein duplication of the color information is eliminated; filling each of the second closed regions with a color which is on the top of the color candidate list.